

Introductory Comments

A minor typographical correction was made to Claim 70.

A sentence was added to the Specification that explains a particular physical phenomena related to the invention. In particular, the phrase, “—This increase is attributed to the exploitation of both in-phase and quadrature-phase subcarriers, which is enabled by the complex-valued codes that map data to the individual time-domain pulses 1-5. —” was added.

The Requirement for Restriction is traversed. However, a suggested division of Independent Claims (in the “Suggested Division of Claims”) is provided as required by the Examiner, and the Applicant has elected the Independent Claims in Group I (and thus, the corresponding Dependent Claims) in case the argument against the Requirement is rejected.